



## USS Realty Development

Division of United States Steel Corporation

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PROJECT MANAGER

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May 21, 1976

Polk County Health Department  
P. O. Box 1480  
Winter Haven, Florida 33880

Attention: Mr. William F. Hill, Jr.  
Director

Re: Environmental Surveillance for Radioactivity  
Brittany Place Subdivision Phase I  
Bartow, Florida

Gentlemen:



In October 1975, the United States Environmental Protection Agency (EPA) published a preliminary report claiming a potentially significant radiation exposure problem involving structures constructed on reclaimed phosphate land. As a result of the preliminary findings, the EPA scheduled additional studies to establish acceptable radiation level criteria for the structures. At the present time, the additional studies are under way.

In January 1976, the EPA published interim criteria that would enable screening of proposed construction sites. The interim criteria published by the EPA state that if the external gamma radiation is less than 10 uR/hour, construction may be initiated. If the external gamma radiation level is equal to or greater than 10 uR/hour, EPA recommends that construction be delayed pending additional study or that acceptable control technology be used to preclude indoor radon daughter problems.

Prior to the EPA report published in October 1975, USS Realty Development had plans underway for the development of property in Bartow, Florida, referred to as Brittany Place, Phase I. This housing development project was affected by the 1975 EPA findings.

In order to determine the suitability of the property for a housing development, USS Realty contracted for a radiological survey to determine external gamma radiation levels on the site. The survey was conducted by Sholtes & Koogler Environmental Consultants of Gainesville, Florida, on March 6, 1976.

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The measurement made on March 6, 1976 showed external gamma radiation levels between 3 and 16 uR/hour. In general, the gamma radiation levels indicate that this land is suitable for development.

For your review, we enclose a copy of the report made by Sholtes and Koogler showing external gamma radiation levels for Phase I of our Brittany Place project. Also enclosed is a copy of a document prepared by Dr. W. Emmett Bolch stating that the criteria established by the EPA are extremely conservative.

Based upon the findings of the Sholtes and Koogler report showing external gamma radiation levels between 3 and 16 uR/hour indicating that the majority of the land is suitable for development and the document prepared by Dr. W. Emmett Bolch, USS Realty requests that approval be given on the findings contained in the enclosed report in order that the project can move ahead.

Sincerely,



D. E. SIMPSON  
Project Engineer

DES/sab

Enclosures

cc & enc.: F. E. Felix, Jr.  
G. P. Willard  
CCC of Florida, Inc.